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UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
AGRICULTURAL ESTIMATES
WASHINGTON, D. C.

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INSTRUCTIONS 1984

November 2, 1956

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CURRENT SERIAL RECORDS

TITLE: Instructions

SUBJECT: Annual Crop Summary 1955-56

1. DUE DATES: Statisticians are advised to carefully note the following schedule of due dates:

- a. Mail Crop Summary Sheets, CEF 83, the day the Reviewer completes his work. Use airmail special delivery where airmail is an advantage. *
- b. Mail all work sheets, special summary forms, etc. the next working day after the review is completed, or earlier if possible. See items d, e, and f below the mailing dates for seedings of 1957 crop winter wheat and rye, dry beans and peas, and broomcorn.
- c. Mail comments to reach Washington by 9:00 a.m., December 3 or earlier, is possible. See section 31 below.
- d. 1957 Crop Winter Wheat and Rye - Mail work sheets (CEF 141) and comments for all States for the seedings of 1957 crop winter wheat and rye to reach Washington by 9:00 a.m., December 14.

Nonspeculative winter wheat State recommendations of yield and percent for grain (CEF 140 and CE 100) are due December 14. Speculative winter wheat State recommendations of yield and percent for grain (CEF 140 and CE 101) are due December 18. Rye condition for all States should be submitted on CE 100 with the General Report due December 7. See section 9.

- e. Dry Beans and Peas - Summary forms for "Acreage and Production by Classes" should be submitted in duplicate by December 3. See section 13.
- f. Broomcorn - CEF 135, comments and recommendations are due December 6. See section 14.

2. REVISIONS TO 1954 CENSUS: Although the 1949-54 revised estimates by States were published for field crops in Statistical Bulletin 185, the revision work forms (C.E.F. 191, etc.) are expected to be completed and photorapid or photostat copies returned to the States by groups before November 1.

3. SCHEDULE DISTRIBUTION FORM: Please fill out and submit with your report the mimeographed sheet giving a description of survey distribution procedures for the various cards and schedules used. If new procedures or special lists are used in the mailing, this should be mentioned in comments, together with an evaluation of the effects upon indications. Suggestions for changes in design of fall acreage, acreage and production, and acreage utilization cards and schedules are appreciated, but should be submitted in a separate memo to the Secretary of the Crop Reporting Board for use at the appropriate time. This should be done as soon as possible after the fall report is out of the way.

* States which are reviewed last should have all material referred to in a, b, and c above ready to mail as soon as the review has been completed. It is important that that the summary, C.E.F. 83, from these States reviewed last reach the Washington office the morning of December 3.

4. EDITING, LISTING, AND SUMMARIZING:

- a. Rural Carrier Survey: All cards have been punched for use in peg board summarization. The procedure recommended and used in most States is given in Instructions 1958. Buff colored cards will be furnished for use as summary cards.

Each schedule should be edited before summarization or the schedules are listed. The tabulation should be edited after the data are listed. The "all land in farm" question must, of course, be answered on all cards or schedules used. If cards are incomplete, the procedure used in previous years for getting them completed should be followed. In States where both planted and harvested acreages are asked on the same card statisticians should keep in mind, when editing, that the primary objective is to obtain indications of planted (for all purposes) and harvested acreage, with the indication of abandonment a by-product. The main tabulation should include all cards complete for planted and harvested acreages, together with land in farm. The abandonment indication computed from this survey, where both planted and harvested acreages are on the same card, will be supplemented by indications from the Acreage and Production inquiry. The percent abandonment indication is the complement of the percent harvested, and should be entered on Line 34 CEF 135.

If a large number of reports lack either planted or harvested acreages, separate tabulations may be made of those reporting (1) only planted acres, and (2) only harvested acres, each with land in farm. Totals of each group may then be combined with similar totals from the main tabulations, by districts, for the computation of ratios and ratio relatives to land in farms. This avoids the practice of "editing in" harvested acreage when planted acreages only are reported, or vice versa. Unless such a separate tabulation is made, cards incomplete for either planted or harvested acreage should be discarded or returned to reporters for additional data. Fractional acres should be listed for crops grown on small acreages per farm. When adding, county totals may be shown in fractions of an acre, but all district and State totals should be rounded to the nearest whole number. In computing ratios and percentages, districts of minor importance for certain crops may be combined with adjoining districts for weighting to avoid distortion. Comments should call attention to such special handling of data.

Direct percentages of the previous year and ratio relatives should be rounded to whole percentages; abandonment percentages to one decimal; and ratios to land and ratios to crops (where used) should be carried to three places to the right of the decimal.

Ratios to "all crops" or "crop land" should be calculated if such ratios have proved useful in the past. If ratios to "all crops" are used, enter such ratios on line 20 of CEF 135 and line 26 of CEF 141. Listing of identical reports is REQUIRED for All States, except Indiana, Wisconsin, Minnesota, South Dakota, Nebraska, and Kansas where reliable current Assessors' indications are available. Even for these States, identical tabulations should be made if the Rural Carrier sample tabulated for ratios is relatively small, or if the ratios fluctuate widely due to sample fluctuations; and for Indiana, Nebraska, and Kansas if the Assessors' data are not completed. It is taken for granted that the

Assessors' data are completed for the other three States. As a general rule, editing of identicals should be confined to the elimination of reports which are not "true" identicals; that is, where it is apparent that the operations do not cover the same farm for both years.

- b. Assessors' Data: State farm census data should be submitted as reported and also as adjusted if adjustments are made. A brief description of the adjustment method should be given in the comments. A general statement as to the time of the enumeration should also be made. Please be sure to show the number of farms enumerated and the total acres in farms. Reported and adjusted acres, straight and weighted ratios to land of both reported and adjusted (if adjustments are made), straight and weighted direct percentage changes, and YIELDS where available, should be recorded on the 1955 and 1956 acreage and yield work sheets (CEF 135, lines 23 to 29, 54 and 55; CEF 141, lines 30 to 36, 42 and 43; CEF 161, lines 19 to 22, and 51 to 54; CEF 169A, lines 34 to 39, 45 to 50, and 56 to 61; and CEF 169B, lines 13 to 15). Any revisions of the Assessors' data for 1955 should be entered on the 1955 acreage and yield work sheets in red ink. One copy of the Assessors' schedule (not a whole book, just pages showing the questions and instructions) with date of assessment shown thereon, should be submitted with the report.
- c. Acreage and Production: A supply of early season Acreage and Production of Grain Crops cards was printed for use in New Jersey, Missouri, Virginia, West Virginia, North Carolina, South Carolina, Georgia, Kentucky, Tennessee, Alabama, Mississippi, Oklahoma, and Texas. The grain hay should now include reports of grain cut and fed unthreshed. A combined schedule will again be used for Long Island, New York. For Pennsylvania there is little change in the schedule used in 1955. Wisconsin continues the Master Crop Schedule and South Dakota, Montana, and Oregon will use their respective combined schedules previously tested in these States. Utah will again make a split-list mailing of a combined schedule and the rural carrier card. Florida, Arizona, Nevada, and California will mimeograph their own schedules. ONE copy of the mimeographed schedules should be included with the report.

Although the printed schedules include a question on the acres of land in farms, it should be borne in mind that the primary purposes of this inquiry are to obtain (1) derived yields per acre; (2) acreage utilization; and (3) abandonment of planted acreage.

It seems advisable to retain returns even though the total utilization accounted for may be less than 100 percent of the planted acreage, in order to obtain the best possible indication of acreage harvested for the principal use (grain or hay) as a percentage of the acreage planted. This should be kept in mind in interpreting utilization other than for grain. It does not seem necessary to adjust these latter indications so that the total will add to 100 percent. With the multiple objectives for which these schedules were designed, many returns will be incomplete either for the yield objective or for the acreage utilization objective. If the number of complete returns is sufficient to give reasonably good district yields and utilization percentages, incomplete returns might be edited out. If the statistician should decide to draw separate totals of those complete for yield and those complete for utilization, this fact will be apparent from the totals on the district summary sheet.

- (1) Summarizing and weighting acreage indications from A & P cards: For each crop, summarize utilization by districts, calculating each utilization and abandonment as a percentage of the planted acreage and weight by estimated district planted acreage. The exceptions to this rule are for corn and all sorghums, for which calculate only abandonment as a percentage of planted acreage - weighting by planted acres - for entry on CEF 135; but the utilization should be calculated as percentages of the total harvested acreage (planted minus abandonment) and weighted by the estimated district acreage harvested for all purposes. (See also section 20.) Please note that sorghum sirup acreage should be included.

Enter abandonment indications on work sheets for all crops for which they are available, not just the grain crops. The alone and interplanted acreage utilization indications of soybeans and cowpeas should be worked independently by districts and for the State and weighted by corresponding alone acres and interplanted acres. Equivalent solid acreage utilization percentages should be calculated by applying the 1956 estimated State acres alone to the utilization alone straight percentages and one-half of the estimated State interplanted acreage to the interplanted utilization straight percentages and dividing the sum of those extensions by the estimated equivalent solid acreage. These averages should be entered on CEF 169B in the space provided for straight averages. The weighted State equivalent solid utilization percentages should be the sum of the district alone extensions plus one-half of the sum of the district interplanted extensions divided by the State equivalent solid acres. There are no separate sheets for soybean hay, cowpea hay, or peanut hay. Data for hay made from these crops should be entered on CEF 169B and 174.

- (2) Summarizing and weighting yield indications: Show on CEF 135 and C.E. 1-177 the number of reports tabulated for each crop (not the total number of cards tabulated). For each crop, summarize yield per acre by districts, weighting by the estimated acreage harvested. If other appropriate weights are not available, current weights may be calculated by applying district sample percentages utilized for each purpose to the estimated district planted acreages. In States where acreage and production of the several kinds of grain hay are obtained, weight the yields of the several kinds, on a State basis only, by their indicated respective acreages to compute the yield of all grain hay to be entered on line 53, CEF 135. Yield indications of legumes grown alone and interplanted should be combined into a yield on equivalent solid acreage. If appropriate weights for alone and interplanted yields are not available, the reported data should be combined by districts after dividing the interplanted acreage by 2, but not the interplanted production. The district combined equivalent solid yields thus derived should then be weighted by the estimated district total equivalent solid acreage. In the Western States, separate columns are provided on the A & P schedules for irrigated acreage, but only a single column is provided for production. In addition to the combined totals and averages, comparable production and acreage should be listed and summarized by districts for irrigated and nonirrigated acreage separately, in order to obtain indicated irrigated and nonirrigated yields.

d. Special Survey: Results of any special acreage, yield, or production survey should be summarized on a copy of the schedule used, except for tobacco, sugar beets, peanuts, and beans and peas by classes which should be summarized on the summary forms provided for that purpose -- not on the R. C. Acreage District Summary. These forms and the Broomcorn Production Work Sheet are being forwarded with the acreage forms.

e. Summarizing of Survey Data, by Districts: It is important that form C. E. 1-177 be used for summarizing all acreage reports by districts, including identicals, acreage and production, special surveys originating in the field offices, and Assessors' data, except for States having an Assessors' schedule with crops all on one side of sheet, in which case the summary may be submitted on this sheet. Please indicate on the summary of Assessors' tabulations whether the data are preliminary or complete. Use a separate copy of sheet C.E. 1-177 for summarizing commercial vegetable data by districts. Show the data in the same form as reported. As an indication of abandonment of winter wheat and rye, compute and enter by districts the complement of R. C. (Harvested R/L + Planted R/L). These are the district data for which the State figure is entered on line 37 of CEF 141. Also enter on the district summary the Complement of Harvested + Planted (acres) from identicals, corresponding with State figure entered in line 38.

District summaries should be folded and submitted in the 16" x 10" Crop Reporting Board envelopes. The name of the State should be stamped both in the upper left and the lower right corners of the district summary sheets. Please be sure to label all summaries properly. Please enter the number of schedules and date mailed in the space provided at the top of the district summary.

5. WEIGHTS: For weights, use actual or estimated acreages rounded to thousands (for minor crops, to hundreds). Please be sure to show source of weights in the spaces provided for this purpose on the District Summary Sheet, C.E. 1-177.

For Harv./Harv. indications, use preceding year's harvested acreage.

For Plant./Plant. indications, use preceding year's planted acreage.

For ratios to land, use 1954 Census acreage of all land in farms or the most current data on acreage of all land in farm.

For ratios to "all crops" or "cropland" use 1954 Census acreages of cropland or the most current data on cropland acreage.

6. CHARTS: The following charts will be used by the Board for the individual crops and all crops:

Ratio to Land versus Board acres harvested.

Ratio to Land versus Board acres planted where asked on schedule.

Identical C/C percent of previous year versus Board Percent of previous year (Harv./Harv. and Plant./Plant.)

Direct C/H percent of previous year versus Board percent of previous year (Harv./Harv.) for Arizona and California

Percent Abandonment (from A & P Survey) versus Board percent abandonment.

Assessors' percent of previous year versus Board percent of previous year.

Assessors' ratio to land versus Board acres (in States where used).

Assessors' actual acres (or adjusted) versus Board acres.

All acreage charts based on data from special surveys for individual crops and States for which such series of data are available.

R. C. Ratio of all crops to all land versus comparable Board acres harvested for all States.

R. C. Ratio of all crops to all land versus comparable Board acres planted (i.e., planted acres of spring sown crops, harvested acres of winter wheat, rye, and hay) in States where both planted and harvested acres are asked.

R. C. Identical C/C percent of previous year for all crops versus Board percent of previous year in States having identical comparisons.

Reported Yield (General schedule) last month of the season versus Board Yield.

Yield from Acreage and Production Inquiry versus Board Yield.

All yield charts based on data from special surveys for individual crops and States for which such series of data are available.

Similar charts should be used by field offices, but need not be submitted to Washington. However, copies of any other charts which show good relationship should be submitted by field offices and should be accompanied by the data from which they are prepared.

7. RECOMMENDATIONS: Both planted and harvested acreage recommendations for the current year generally should be computed, using in each case the rounded percentage of the preceding year, with abandonment being derived. This procedure will be followed except where abandonment is small (usually less than 2 or 3 percent) and the derived abandonment percentage is distorted by such procedure. In the latter case, harvested acreage will be derived, using the indicated percent not harvested; thus, in these exceptional cases, the planted acreage as percent of the previous year will be derived.

In some cases, especially where Board estimates and the State Farm Census (Assessors) are on essentially the same level, it may be necessary to adopt a percent of the previous year that is not rounded to a whole percentage or to adopt an absolute acreage estimate and derive the percentage. In the latter case, the statistician's percent of previous year should be marked ✓ which will indicate that the acreage was estimated on an absolute basis and the percentage was derived.

8. NUMBER OF REPORTS: Total number of reports from the principal surveys should be given on C.E.F. 207, Sample Distribution Sheet. This number should NOT be shown on CEF 135.

Column 1 (number reporting on this crop) on CEF 135 or other appropriate worksheet should show: (a) the number of reports used from special surveys, (b) the actual number of reports on individual crops when this number is a small part

(say 10% or less) of the total number of reports on major general surveys or when that number itself is an acreage indication. Such counts are specifically requested from the R. C. survey for certain crops as shown below:

- (1) Winter Wheat, harvested in 1956, also seeded for 1957.
- (2) Legume and Grass Seeds: In order that we may have some measure of the relative strength of the sample and the number of farmers growing each kind of seed each year.
- (3) Irish Potatoes and Sweetpotatoes: It is requested that a count on the number reporting potato and sweetpotato acreages be made by districts in all States. This district count should be shown to the left of the potato acreage figures on the district summary sheet and properly labeled. In States which have two or more seasonal groups please give number of reports by groups and the total number reporting any potatoes.
- (4) Dry Beans.
- (5) Dry Peas.
- (6) Peanuts (on CEF 174).
- (7) Tobacco, in minor States (by types where possible).
- (8) Sugar beets.

9. WINTER WHEAT AND RYE:

- (a) Volunteer acreage (1956 crop): In States where volunteer acreage is a factor, show 1956 estimated volunteer acreage harvested on line 50 of CEF 141. Questions on volunteer acreage and production are on the A & P cards in the States concerned and furnish a basis for estimates of volunteer acreage harvested. These and all other sources of evidence should be used. Volunteer acreage harvested should not be included in acreage utilization and abandonment data in computing the indications of acreage not harvested for grain. List it separately on district summaries. In States where the volunteer acreage is sufficiently large to warrant consideration, the volunteer acres of wheat or rye are related to total acres of wheat or rye as one indication for an estimate of volunteer acreage harvested for grain. In turn, this acreage estimate is added to the indicated acreage harvested for grain from sown acres with an equal acreage added to the indicated seeded acreage. The A & P and special cropping practices survey ratios (where available) of reported volunteer acres to all wheat planted plus volunteer may be shown along with recommended acreage of volunteer wheat harvested on line 50 of CEF 141. The basis for this recommendation should be presented in the comments. For States in which volunteer wheat and rye are estimated, the grain yields shown should include the volunteer crop. The yield per acre of volunteer acreage, obtained from the A & P survey, should be weighted at the State level into the total yield using estimated harvested volunteer acreage as weights.

- (b) 1956 Wheat acreage compliance data: ASC will summarize performance records and should have these data in the hands of State Statisticians prior to November 1. State ASC offices should forward copies of county data direct to State Statisticians but it would be advisable for each State to contact their respective State ASC office to coordinate the obtaining of performance data. The data contained on each county summary (Form CSS-525, Wheat, 1956) should be comparable with the data obtained for the 1955 crop with the exception of items 13 through 16 pertaining to the Soil Bank Reserve acres. For our purposes, items 4 plus 5 plus 15 should provide some measure of total acres of wheat sown. There is some degree of flexibility of interpretation of items 4 and 5 as they probably represent more nearly a harvested acreage rather than a seeded acreage. This would be dependent on the time of the compliance check and the nature of any abandonment of the 1956 crop. Item 15 should represent acres of wheat destroyed under the provisions of the Soil Bank which includes acreage destroyed by weather, insects, etc. It will be noted that one of the items (Item E) requested from ASC pertains to the number of farms on which acreages were actually measured. This is for the purpose of evaluating the rounding procedure used by ASC; namely, that measures acreage for any individual farm is rounded down to whole acres. In order to compensate for such rounding, States should apply the factor 0.45 acres to the number of farms on which acreages were actually measured and add the total to the State acreage shown by ASC. This will be a significant total in many States. Statisticians are requested to include as a part of their comments the State totals for items 2, 4, 5, 13, 14, 15, 16, E, F, G, H, and I from Form CSS 525, Wheat (1956). It would also be helpful if State totals, properly labeled, were entered on unused lines in the December section of CEF 141. It is only necessary to enter the total of items 4 and 5, item 15, and the computed allowance for rounding. States should also contact their State ASC office relative to the latest (or revised) wheat compliance data for 1955. Compliance data should be evaluated and used in arriving at acreage estimates.
- (c) 1957 Crop seedings - due December 14: The percentage indication of acreage planted for harvest in 1957 from the R. C. survey to be entered on line 4 of CEF 141 is computed as follows:

$$\frac{\text{R/L Planted 1957 Crop}}{\text{R/L Harvested 1956 Crop}} \times \text{Statistic's percent of 1956 crop harvested for grain.}$$

To compute the weighted indications for each crop use State weighted ratios. Since Board work on the report of fall seedings of winter wheat and rye is separate from the Annual Summary, it is important that comments be submitted on separate sheets.

States should be able to obtain data from their respective ASC office relative to the acres allotted for 1957 crop and the extent of participation in the Soil Bank Program for the 1957 crop.

10. OATS: The 1956 schedule question now reads oats for grain in all States. In 1955 the question was likewise on this basis except in States using the M-1 card (Virginia, Kentucky, and Tennessee), and the P-1 card (South Carolina and Georgia). Both of these cards carried the old question including oats cut ripe for feeding unthreshed and split-list tests were conducted in each of the five States. In these States, 1956 data should be compared with the results from the 1955 cards with comparable wording. Statisticians should compare the question wordings used in their States this year with 1955 and earlier years to determine comparability for purposes of chart analysis. In States (other than the 5 mentioned above) where significant quantities of oats are cut for feeding unthreshed, the 1956 ratio to land and identical indications will be comparable with 1955 but not with earlier years. In other States the current indications should be interpreted on the basis of usual relationships.

11. MIXED GRAINS: Because the estimate for each grain crop makes allowance for any of that crop in mixtures, the mixtures reported on the Fall Acreage cards or combined schedules must be prorated to the respective grains included in the mixture. Tabulate separately all reported grain mixtures. District totals should be obtained for each mixture, as they represent a valuable record of farming practices. The total should be prorated to the proper crops on a district basis for computing ratios and percentage change (unclassified mixtures should be prorated on the basis of classified mixtures). Be sure to show on the District Summary sheet district totals for the various grain mixtures using a separate summary. The data entered on the Acreage and Yield Work Sheets, on the Ratio to Land Sheets, and on the District Summary (for the entire survey) should be computed from totals including prorated mixed grains.

For the 1956 season it will not be necessary to prorate these mixtures from the Acreage and Production cards into the utilization and yield summaries. Please submit on the district A & P summary only the total reported acreage of mixtures, by districts, and the State totals of each kind of named mixtures.

12. SUGAR CROPS:

Sugar Beets: Yields for last year's crop (1955) are derived. The sugar beet company reports should be handled as in previous years, that is, the data are to be furnished to the States concerned and the original schedules forwarded to Washington as soon as possible. The form for submitting a summary of the factory data and statisticians' recommendations will be sent to field offices with the acreage work sheets. Please submit this summary in duplicate with the annual summary material. Since preliminary 1956 price data will not be published by States, and season average price recommendations are not due until December 6, statistician's price recommendations and price comments may be delayed until that date, if desired.

Sugarcane: Statisticians in Florida and Louisiana are asked to submit indications and recommendations of acreage and yield of sugarcane for sugar and for seed separately. In addition, they should recommend in the comments, sugar production (raw value) and production of edible and blackstrap molasses separately (80 degree Brix).

Maple Products: Since estimates for 1955 and 1956 published in May 1956 were on the unrevised Census base, it will be necessary for all States to make recommendations for both the 1955 and 1956 crops on the Census revised base.

There is no provision on Form CEF 263 for showing Statist's recommended revisions for the 1955 crop in December 1956. Therefore, recommendations for 1955 should be submitted on separate comment sheets. If no changes were made in Statist's recommendations for 1954 on Form CEF 191, recommendations for 1955 should agree with those originally submitted on this form. Recommendations for 1956 can be shown on Form CEF 263. For New England, final survey results for the May 1956 survey and revised recommendations for 1956 should be submitted on a new copy of CEF 263.

13. BEANS AND PEAS: Estimates for all dry beans and all dry peas should be submitted as for other crops. Only the cleaned production will be published. Also production of beans and peas by classes will be published as usual.

- a. Schedules: A growers' survey covering acreage and production by classes and dockage (pick, cleanout, waste, culls, etc.) of dry beans and dry peas should be made this fall as usual. The schedules should follow the pattern of those used last year, except those States that have requested and received permission to modify the schedule, and carry the same Budget Bureau number.
- b. Summaries: Summary forms (CEF 307, rev. 9/56) for "Acreage and Production by Classes" are being sent to field offices with the acreage work sheets for other crops. These should be submitted in duplicate by December 3. Please be sure to give recommendations of cleaned production for the 1956 crop and revisions for 1955.

14. BROOMCORN: (Illinois, Kansas, Oklahoma, Texas, Colorado, and New Mexico.)

- a. Date Due: CEF 135, Comments and recommendations are due on December 6, 1956. However, preliminary acreage recommendations on CEF 83 should be submitted along with other acreage data.
- b. Forms: A supply of the Broomcorn Production Sheet is being forwarded with the work sheets for other crops. Please be sure to enter cross-State allocations on this form and submit it in duplicate.
- c. Railroad Shipment Data: Please refer to Section 34, paragraph 34.5 of the Instruction Manual. Photostats of tables showing carload receipts and shipments of broomcorn by stations are being mailed to field offices in October. Statisticians should correspond with one another to determine the origin (State of production) of broomcorn which is known or believed to have been produced outside the State in which a shipping station is located. Statisticians should also make allowance for carloadings which may have originated at stations other than those shown on the photostats as it is possible that some broomcorn was produced in new areas.
- d. Prices: Price indications and recommendations are also due December 6. Please include summaries of the broomcorn price data from all surveys with the price comments.
- e. Schedules: These should be the same as used last year and carry the same Budget Bureau number. Please give pertinent information relating to broomcorn in comments.

15. COTTON: The Cotton Acreage Work Sheets, CEF 164, are being forwarded to field offices with work sheets for other crops. These should be returned to Washington with the acreage portion of December Cotton Report due December 7. Acreage only should be entered on CEF 83, Sheet 1 (do not enter yield and production).

16. TOBACCO: Sales check data will be complete or nearly so for all flue-cured types. In addition, cross-State movement data should be available, and if so it will greatly simplify the job of arriving at a check data total by States. For all types under quota, statisticians should contact the local ASC representative for acreage, Soil Bank data, and other available information. Please incorporate such check data totals in your comments.

17. HAY: Estimates for different hay classes will be prepared as currently established following the revisions to the 1954 Census and published in Statistical Bulletin 185, June 1956. Background information concerning changes in wordings of hay questions and effects on indications appears in CEM 1551 (March 24, 1955) and 1572 (Nov. 4, 1955). Because of the changed wordings, it should be recognized in interpreting charts that the 1956 indications are more comparable with 1955 than with earlier years for certain hay classes in a number of States.

Statisticians' preliminary recommendations should be entered on CEF 114 in advance of the Reviewer's visit and also on the general summary CEF 135. The forwarding copy of CEF 114 should be returned to Washington.

The estimated yield of each kind of hay will be rounded to the nearest 0.05 ton except in the few instances (such as for peanut hay) where the indicated yields may be as low as 0.5 ton in some years and estimates to the nearest 0.1 seem justified. The estimated acreage and production on all hay will be the sums of the acreage and production of the different kinds. The yield of all hay (sum of production divided by sum of acreage) should be rounded to the nearest 0.01 ton. Estimates of "all tame" hay should be shown on line 66 CEF 83 (all less wild) for wild hay States and may be published in State releases if desired although they will not be published in the annual summary.

18. GRASS SILAGE: One or more items on silage made from grasses, legumes, or small grains (i.e., grass silage) are carried on cards in several States. Data from such items should be kept separate and handled as a separate "grass silage" crop. Statisticians should recommend 1955 and 1956 acreage, yield, and production in States where data are available on which to base an estimate and where this use of forage crops is important. It is not planned to publish these data.

19. PEANUTS: CEF 174 was revised a year ago to provide more space with less crowding. Headings have been provided for certain November and December indications and recommendations on the back of the sheet. Please be sure to make the proper entries and complete the back of the sheet.

It is suggested that State ASC offices be contacted for information on measured acreage, time of measurement, Soil Bank data, etc. If information on measured acreage is obtained, please enter it on line 53 of CEF 174, and discuss in your comments. Analysis of Federal-State inspection data should be fully discussed in comments.

20. INTERPLANTED LEGUMES: (Soybeans, Cowpeas, and Peanuts.) Compute the ratio of each interplanted legume to land in farms. In editing interplanted legumes, each statistician should use his best judgment keeping in mind the primary purpose of the inquiry. Editing practices employed and difficulties encountered should be explained briefly in the comments. The following charts will be used by the Board for these crops and similar charts should be used in field offices:

R.C. interplanted soybean R/L versus Board interplanted soybean acreage.

R.C. interplanted cowpea R/L versus Board interplanted cowpea acreage.

R.C. interplanted peanut R/L versus Board interplanted peanut acreage.

The percentage that each utilization is of the total acreage reported on the Acreage and Production cards should be computed as described in paragraph 14-c-(1) above and should be entered on CEF 169B lines 27 to 30 for soybeans and cowpeas.

21. VELVETBEANS: Show all reported data and recommendations on CEF 135. Total velvetbean acreage will be published as usual in December. Statisticians should use the chart which combined the R. C. alone and interplanted R/L versus Board total velvetbean acreage.

22. POPCORN: Estimates of planted acreage, harvested acreage, yield per acre (pounds of ear corn), and season average price per 100 pounds of ear corn (70 pounds to the bushel) for the 1956 crop, and indicated revisions of acreage, yield, and season average price for the 1955 crop are required from the following States: Ohio, Indiana, Illinois, Michigan, Iowa, Missouri, Nebraska, Kansas, Delaware* and Maryland*, Kentucky, Tennessee*, Alabama*, Oklahoma, Texas, Idaho*, and Colorado*.

If special surveys are made the schedule should follow the approved schedule used in the fall of 1955. Two copies of the schedule, showing the reported data should be included with the report.

Comments on quality, proportion of production represented by different varieties, percentage of crop sold to date, and carryover of previous crops where available should also be submitted in comments for each State. Popcorn processors should be contacted, as in the past, to obtain their estimates of acreage contracted, non-contract acreage, yield per acre, and other pertinent facts. The November processors sample schedule carrying the current Budget Bureau number was transmitted to field offices October 15, 1954. Data for States * will not be published separately, but in the "Other States" category. If these 5 States can obtain the necessary data by personal contacts, special schedules will not be necessary. Usually there are a few processors in the minor States that are well acquainted with popcorn. They should be contacted, if possible.

23. SEEDS: If 1955 estimates were revised at the time of the 1956 forecast report, and if there are to be no further revisions recommended by the State Statistician and Reviewer this December, please be sure to enter on C.E.F. -83 the latest revised 1955 estimates, not the estimates made in the previous December.

24. HEMP AND OREGON FLAX FIBER: Estimates of acreage, yield, and production of hemp fiber for Wisconsin, hemp seed for Kentucky, and flax fiber for Oregon should be submitted but will not be published.

25. SAFFLOWER: The question on safflower is not on the Fall Acreage card. It is not planned to publish any acreage data for this crop. Comments on this crop in States where there is believed to be a sizeable acreage would be appreciated.

26. FRUITS AND NUTS: Revisions of the 1955 and 1956 estimates will be considered in December, to be published in the Annual Summary. Supporting check and other data and comments should be submitted covering the revisions.

The first estimates of the following 1956 crops should be submitted, in duplicate, on form C.E. 4-28: Florida pineapples; California dates, figs, olives, and avocados.

The Annual Summary will include a separate table showing quantities of fruits and nuts not utilized for economic reasons. A form is enclosed for submitting indications and recommendations for fruits or nuts left unharvested or culled out (including dumped) for economic reasons. The quantity columns on this form should have entries for each fruit or nut crop estimated, showing "None" where applicable. In preparing recommendations for these items, it should be recognized that some "normal" loss of fruit occurs every year. Recommendations should cover only losses in excess of normal.

Comments should describe the basis of the December recommendations and should cover any unusual weather or market situations during the season which affected production, quality, or utilization. Please submit with the comments, copies of any late-season schedules used as a basis for the December recommendations.

Instructions for the December Apple Variety report will be issued shortly.

27. POTATOES: Please refer to Instructions 1955 dated May 28, 1956. The 1955 potato estimates were revised in July 1956, and therefore the 1955 estimates will not be revised this fall. Estimates of yield will be in hundredweight. Indicated yields from A and P survey, Aids, and Specials should be converted to hundredweight prior to entering the averages on CEF-135. While the 1955 CEF-135 forms for potatoes will be mailed to State offices, no additional entries will be required on these forms for the various seasonal estimates. The forms are to be used only for recording the 1955 acreage and yield for transferring to Summary Sheet CEF-83 and carrying forward the entries to the 1955 section of CEF 135 for 1956.

28. SWEETPOTATOES: The 1955 sweetpotatoes estimates are subject to revisions this fall; however, the number of revisions is expected to be small. Reported and recommended yields should be in hundredweight.

29. COMMERCIAL VEGETABLES FOR FRESH MARKET AND PROCESSING: Instructions 1845, December 8, 1954, are still applicable to reports prepared for commercial vegetables for fresh market and processing. However, those instructions are modified as indicated below to conform to new concepts adopted in connection with the 1954 Census revisions:

- a. Basis of Estimates: Revised estimates for 1955 and 1956 crops should be on the level established in connection with the 1954 Census revisions. Copies of the 1949-55 Board revisions for vegetables are being forwarded to the field offices and this operation should be completed in early November.
- b. Change in Fresh Market Vegetable Units: Instructions 1948, April 5, 1956, explained the change that was being made in the units used for the published reports of fresh-market vegetable yields, production, and prices. Although the present 1956 estimates were prepared using customary units, all 1956 estimates should be submitted in December on the uniform-weight basis explained in Instructions 1948. Revised fresh-market vegetable and

melon estimates for 1955 and 1956 should be submitted in hundredweights and strawberries in pounds. The unit used for mint estimates has not been changed -- yield and production will be expressed in pounds and prices in hundredweights. All monthly prices recommended by the Statistician should be converted to a weight basis following rounding rules in Par. 10A (4) of Instructions 1845 except strawberry prices in cents per pound should be carried to tenths. End-of-season indications of yield entered on the face of C.E.F.-177 and check data entered on the reverse side of this form should also be on a weight basis -- hundredweight or pounds, as applicable. All yield and production estimates submitted for 1957 crops and accompanying yield indications should be reported on the new weight basis. Where it is necessary for the Statistician to convert former units or locally-used units to a weight basis, the weight of such units adopted in connection with the 1954 Census revisions should be used. Explain in comments the weights used for conversion.

- c. Changes in Reporting on Individual Crops: The instructions below on the crops indicated modify those contained in Instructions 1845 pertaining to these crops.

1. Asparagus: Because past reports on asparagus for fresh market and asparagus for processing were confusing to users who desired data on the total crop, it is intended to publish acreage, yield, and production estimates for asparagus on a total crop basis in both the fresh-market and processing annual summary reports for December 1956 and subsequent years. The utilization data indicating the quantity, price, and value used for fresh market and for processing will be published in supplementary tables following the total crop table. Total crop estimates will be in terms of hundredweight. Fresh market utilization and price will be on a hundredweight basis and the processing items will remain on a tonnage basis. While this will eliminate the publication of separate acreage estimates for fresh market and for processing on a State basis, it will still be necessary to estimate the equivalent acreage harvested for each purpose in order to maintain continuity in summary tables for fresh market and processing crops. In preparing estimates for the total asparagus crop, acreage times yield will equal total production. The sum of the fresh market estimate and the processing estimate will equal the total production reported. Prices for fresh market and processing segments will be rounded in the usual manner and value of each segment will be an extension of production and price. Value of the total crop will equal the sum of the values of the two segments and the "all crop" price will be derived to the nearest cent. It will not be necessary for the Statistician, in recommending the acreage for fresh market and the acreage for processing, to make acreage times yield equal production for these segments. A reasonable relationship between acreage and yield should be established, however, in estimating equivalent acreage for fresh market and for processing. While the Washington office intends to publish acreage and yield on a total crop basis only, there is no objection to the local publication of State data which show acreage for fresh market and acreage for processing provided there is no conflict with total acreage estimates carried in Washington reports.

2. Strawberries: The only change in publication of strawberry estimates will be the conversion from the crate basis to pounds. These estimates should be prepared on an "as-sold" basis. There has been some confusion over the method to be used in preparing estimates of production for processing. Since most strawberries purchased for processing are capped

berries (i.e., stems removed), this will generally be the basis for reporting the production of this segment. We do not intend to inflate these data to place the processing strawberries on an equivalent fresh market basis. Prices for each segment will be in cents per pound carried to tenths. The method of calculating total production and value contained in Instructions 1845 are still applicable.

3. Other Fresh Market Estimates which Include Quantities Processed: In connection with the 1954 Census revisions, the technique for establishing season-average prices for estimates which include production both for fresh market and processing (broccoli, Brussels sprouts, carrots, cauliflower, celery garlic, onions, and green peppers) has been changed. In those 1956 revisions which include both fresh market and processing segments, the fresh-market season-average price should be estimated in the manner described in Instructions 1845. However, instead of adopting a rounded total crop price and deriving a price for the processing segment, it is intended to follow the procedure used for strawberries. In other words, we will adopt a rounded price for the processing segment and value will be determined by an extension of processing production times price. Total crop value will be the sum of the values of the fresh market and processing segments and season-average price for the total crop will be derived and rounded to the nearest cent.

d. Utilization Estimates for Certain Vegetables: In connection with the 1954 Census revisions we had hoped to establish a series of utilization estimates for some crops such as broccoli, Brussels sprouts, carrots, and cauliflower. In several States it was not possible to establish an accurate historic series on some of these crops. However, we are continuing our plans to provide for greater detail in these estimates, possibly during 1957. While utilization estimates for these crops will not be published at this time, States which prepare estimates on these crops are expected to include in their 1956 recommendations the quantities sold for fresh use and the quantities processed.

30. FORMS FOR SUBMITTING REPORTS: All forms (except as indicated for vegetable crops) will be mailed to field offices by registered mail by November 1. All sheets stamped "Forwarding Copy of the Crop Reporting Board" including the special beans and peas by classes, broomcorn, peanut, sugar beet, and tobacco forms should be returned to Washington with this report. All acreage and yield data from special surveys should be entered on the Acreage and Yield Work Sheets for the respective crops. Please be sure to enter historic Assessors' data on the 1955 Acreage Work Sheets. Enter all final yield data from the general crop schedules, acreage and production, and Assessors' surveys, etc.; also the potato final yield from vegetable crop schedules. The corn for grain yield (weighted by grain acreage) from the November general schedule should be entered on line 25 of CEF 151, not on CEF 135. Also the Board yield of all corn published in the November General Report should be entered on line 51 under "Board" of the All Corn Sheet CEF 135, not on the Corn Utilization sheet CEF 151.

The space on line 51 of CEF 135 under "Board" should be used for the Board estimate of yield at harvest as published currently for the various crops. The estimates of abandonment for each crop for which planted acreage is estimated should be entered on line 48 of CEF 135. In this connection, the statistician should enter his November recommendations of yields on the proper lines on the acreage and yield

work sheets. Please be sure to enter all 1955 acreages in the Statistician and Reviewer columns line 43 or 44 of CEF 135 for 1956 whether changed or not. Similarly, the CEF 135 for 1955 should be brought up to date, line 46 or 47 for acreage and line 54 or 55 for yield.

Each State office should check carefully the latest Board estimates entered on the 1955 form CEF-135 to see that the present 1955 Board estimates have been entered correctly. These should agree with the photostatic copies of Form CEF-191 being sent to the State offices in October 1956. We will not include the 1954-55 summary Form CEF-83 as is usually done. Either photorapid or photostatic copies of Form CEF-191 will be sent to all States covering all the field crop revisions for the 1949-55 period. These are being sent in groups beginning with wheat and flaxseed which was mailed on October 17. For States where additional data have become available since the revision work, there may be a revision of 1955 acreage yield estimate, but for other States the 1955 estimates will stand as shown on the Form CEF-191.

On the 1956 Form CEF-135 (Work Sheet) please be sure that the 1955 estimates as now recommended by the Statistician and the Statistician and Reviewer are carried forward to the 1956 Form CEF-135.

Before submitting your report to Washington, check carefully all figures appearing on more than one form (i.e., indications transferred from the district summary sheets to the acreage work sheets, ratio to land sheets, etc.) Be sure to enter on the December Crop Summary sheets CEF-83 (3 sheets) in the space provided for Statistician and Reviewer, acreage, yield, and production data for each crop (except cotton) estimated in your State for both 1955 and 1956. All Board revisions of 1955 crops made since December 1955, for cotton, tobacco, sugar crops, peanuts, potatoes, cranberries, and legume grass seeds have been entered on the 1955 and 1956 acreage and yield work sheets. They should be copied onto the field office file copies. Statistician and Reviewer should enter their figures in the column so marked on CEF-83, not in the "Board" column. Leave the "Board" column blank.

In order to expedite the work of acreage reviewers and to make it a true review of reported data and the statistician's recommendations, it is essential that chart readings and recommendations decided upon by the field office statisticians be entered on the forwarding copy of the acreage work sheets prior to the time of the review by the Washington representative. The Reviewer will work with the forwarding copy of the acreage work sheets.

31. COMMENTS: Because the review in Washington is mainly on a commodity basis, comments should be submitted in duplicate by groups of commodities on separate sheets, but numbered in consecutive order throughout, e.g., if a. takes 3 sheets, b, two, the first sheet of c. should be numbered 6 not c-1. Please cover acreage and yield for each commodity on the same set of sheets, rather than have a separate series on the yield. The comments should for the most part be prepared in rough draft before the arrival of the Washington representative. This is especially true for the States reviewed last. The groups are as follows:

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- a. General Crop Summary - generally brief but concise and informative.
- b. Corn
- c. Oats
- d. Barley
- e. Sorghums - grain, silage, forage, and sirup.
- f. Wheat
- g. Rye and buckwheat
- h. Rice
- i. Flaxseed
- j. Dry beans and dry peas
- k. Hay (including peanut hay)
- l. Soybeans, cowpeas, and velvetbeans
- m. Tobacco
- n. Peanuts
- o. Sugar crops and sugarcane sirup
- p. Legume and grass seeds
- q. Potatoes and sweetpotatoes
- r. Each fruit and nut crop on separate sheets.
- s. Hops
- t. Broomcorn
- u. Popcorn
- v. Special crops (hemp, mung beans, Tung nuts, safflower, etc.) each on separate sheets.
- w. Seedings of winter wheat and rye (fall of 1956).

Please note that comments on commercial vegetable crops for fresh market and for processing should be submitted on the reverse side of the respective forms, CEF 177 and 233.

32. ITINERARY OF REVIEWING OFFICERS: The date of review and the itinerary of Washington Reviewers will be covered in a Special Memo. The review will start in the first States on November 19. Most Reviewers will visit three State offices and the review in the last State will be completed about November 30.

33. THE ANNUAL CROP SUMMARY will be released December 17, at 3:00 P.M. WINTER WHEAT AND RYE REPORT, 1957 crop, will be released December 19, at 3:00 P.M.



S. R. Newell
Director

Prepared by:

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F. J. Graham

Enclosures: Schedule Distribution Scheme form (4) to each State .
Economic Abandonment of Fruit Crops Summary (4) to each State.

